UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF COMMERCIAL FISHERIES

CALIFORNIA FISHERY MARKET NEWS MONTHLY SUMMARY

August 1965

PART II–Fishing Information*

Sea-surface temperatures, fishing and research information of interest to the West Coast tuna-fishing industry and marine scientists

CONTENTS

	Page
Topsy-Turvy Albacore Season Continues	1
Sea Surface Temperature Charts, Eastern Pacific Ocean, August 1965	2

Bureau of Commercial Fisheries
Tuna Resources Laboratory
P. O. Box 271
La Jolla, California 92038

*Part 1 - "Fishery Products Production and Market Data" is issued by the Bureau of Commercial Fisheries, Market News Service, Post Office Building, San Pedro, California

TOPSY-TURVY ALBACORE SEASON CONTINUES

The unusual weather and oceanographic conditions in the eastern North Pacific chronicled in last month's issue of this publication continued into August, and were followed by a reversal of coastal sea temperature anomalies near mid-month. Cyclonic weather patterns prevailed in the eastern North Pacific during the month, bringing about a substantial alteration in the high pressure buildup along the coast (which is normal for this time of year). The usual strong northwesterly wind flow was virtually absent until the fourth week of the month, allowing the albacore fleet to penetrate farther offshore in northern waters.

The prevailing southwesterly flow offshore appeared to cause the eastward extension of the warm sea temperature anomaly pattern first noted in July (see figure 2), and by month's end, warmer-than-average conditions prevailed from Vancouver Island south about 600 miles to Cape Mendocino and east of 130°W. longitude. The 60°F. isotherm generally paralleled the coastline (see figure 1), and appeared to remain well within 60 miles of the beach from Point Conception, California, all the way north to Cape Flattery, Washington.

July albacore landings in southern California were the lowest on record according to data tabulated since 1945. August landings failed to make up for the earlier deficit; consequently, landings to August 31 were among the lowest reported since before World War II. North coast fishing was variously reported as good to outstanding. Near the end of the month, reliable sources indicated that shoreside cold storage facilities in the Pacific Northwest were being "swamped". Continued good weather and heavy production appears in prospect for the Oregon coast region, thus auguring well for the month of September in that area. Landings figures could be adversely affected, however, by unanticipated unloading delays at northern ports.

Glenn A. Flittner
Fishery Biologist (Research)

SEA SURFACE TEMPERATURE CHARTS, EASTERN PACIFIC OCEAN

AUGUST 1965

Acknowledgments

The following organizations and stations contributed data for the August 1965 charts:

U.S. Bureau of Commercial Fisheries Exploratory Fishing and Gear Research Base, Seattle, Washington
U.S. Bureau of Commercial Fisheries Biological Laboratories, La Jolla, California; Honolulu, Hawaii, and Seattle, Washington
U.S. Weather Bureau, San Diego, California
U.S. Naval Communication Station Balboa, Fort Amador, Canal Zone
U.S. Weather Bureau Port Meteorological Office, Cristobal, Canal Zone
Hopkins Marine Station, Pacific Grove, California by J. P. Balesteri
Inter-American Geodetic Survey by Rene Cortes at Salina Cruz, Mexico; L. A. Peren at Pt. Armuelles, Panama; R. H. Valencia at San Jose, Guatemala; V. E. Castillo at Tumaco, Colombia; G. Tapia at San Cristobal, Galapagos; S. Valenzuela at La Libertad, Ecuador; E. Guerrero at Talara, Peru; J. Cardenas at San Juan, Peru
Inter-American Tropical Tuna Commission, La Jolla and Terminal Island, California
Kelco Company, San Diego, California
Lifeguard Headquarters, Newport Beach, California
Oregon State University
Pacific Oceanographic Group, Nanaimo, British Columbia, by H. J. Hollister from observations by T. Collins at Quatsino Lightstation; C. A. Johnson at Cape St. James Light; B. Stuart at Amphitrite Point Light; K. Wallace at Langara Island Light
Scripps Institution of Oceanography, La Jolla, California by Margaret Robinson and Hans Klein
Ships Bali, Royal Pacific, and Monsoon

Charts

Figure 1.--Mean sea surface temperatures (°F) derived from approximately 8000 observations. Squares show temperatures at weather-ship stations. Numerals on shore are temperatures at coastal and light-ship stations.

Figure 2.--Deviation of sea surface temperatures (°F) from long term charts of H.O. 225. Hatched areas are colder than mean.

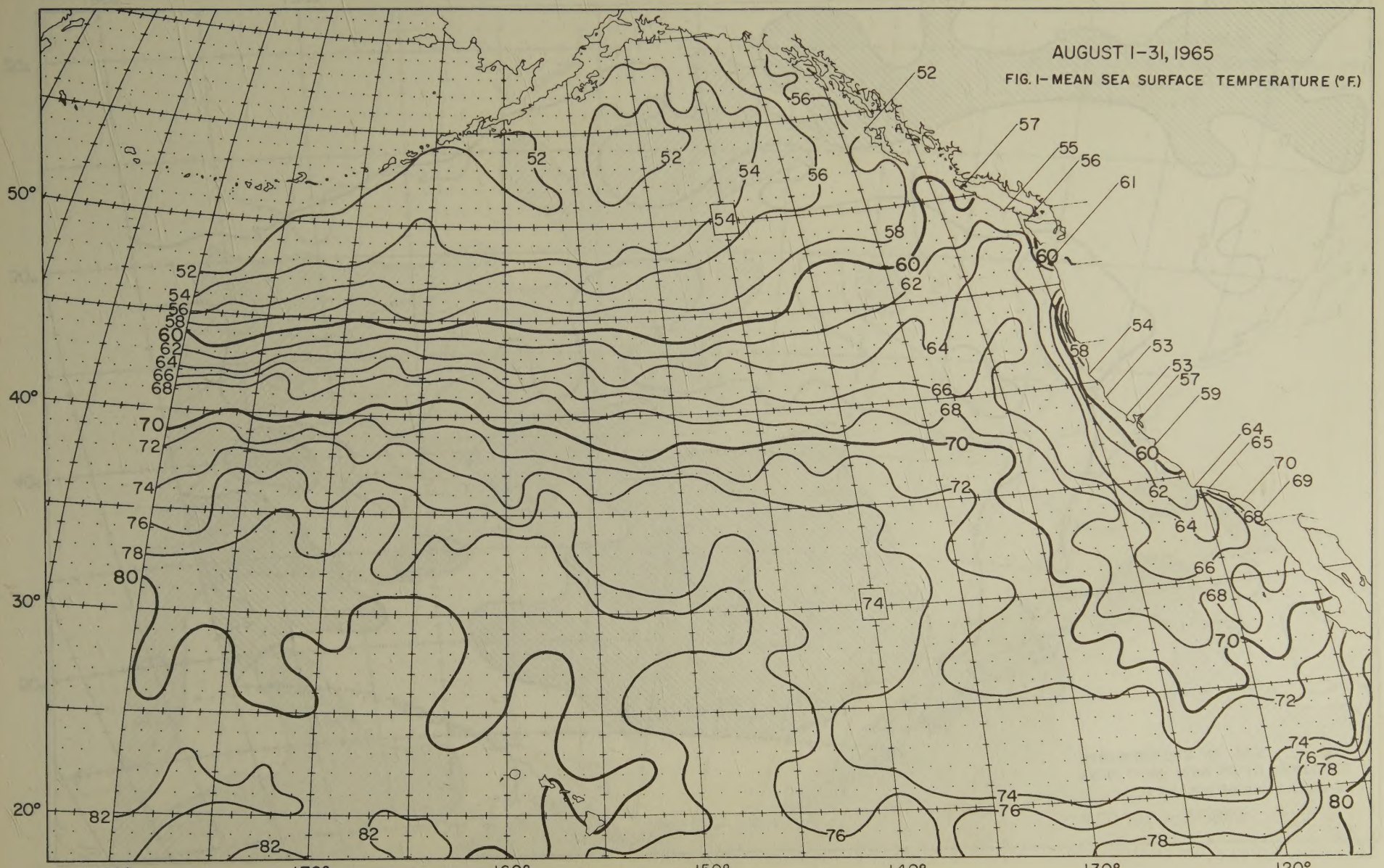
Figure 3.--Deviation of sea surface temperatures (°F) from those of August 1964. Hatched areas are colder than 1964.

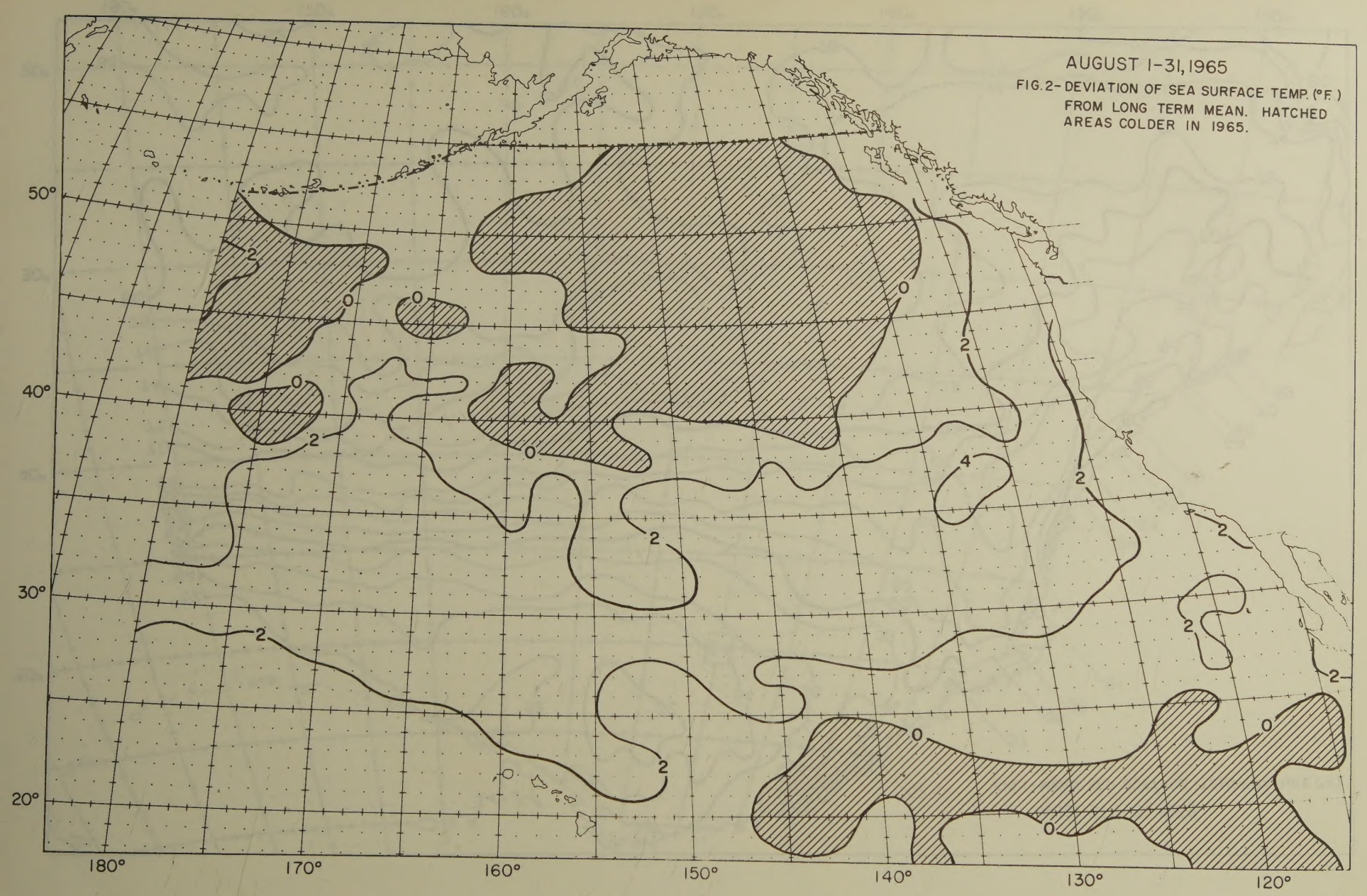
Figure 4.--Sea surface temperatures (°F) by 1-degree squares, approximately 2000 observations. Line under temperatures indicates average of two or more observations. Numerals on shore are temperatures at coastal stations.

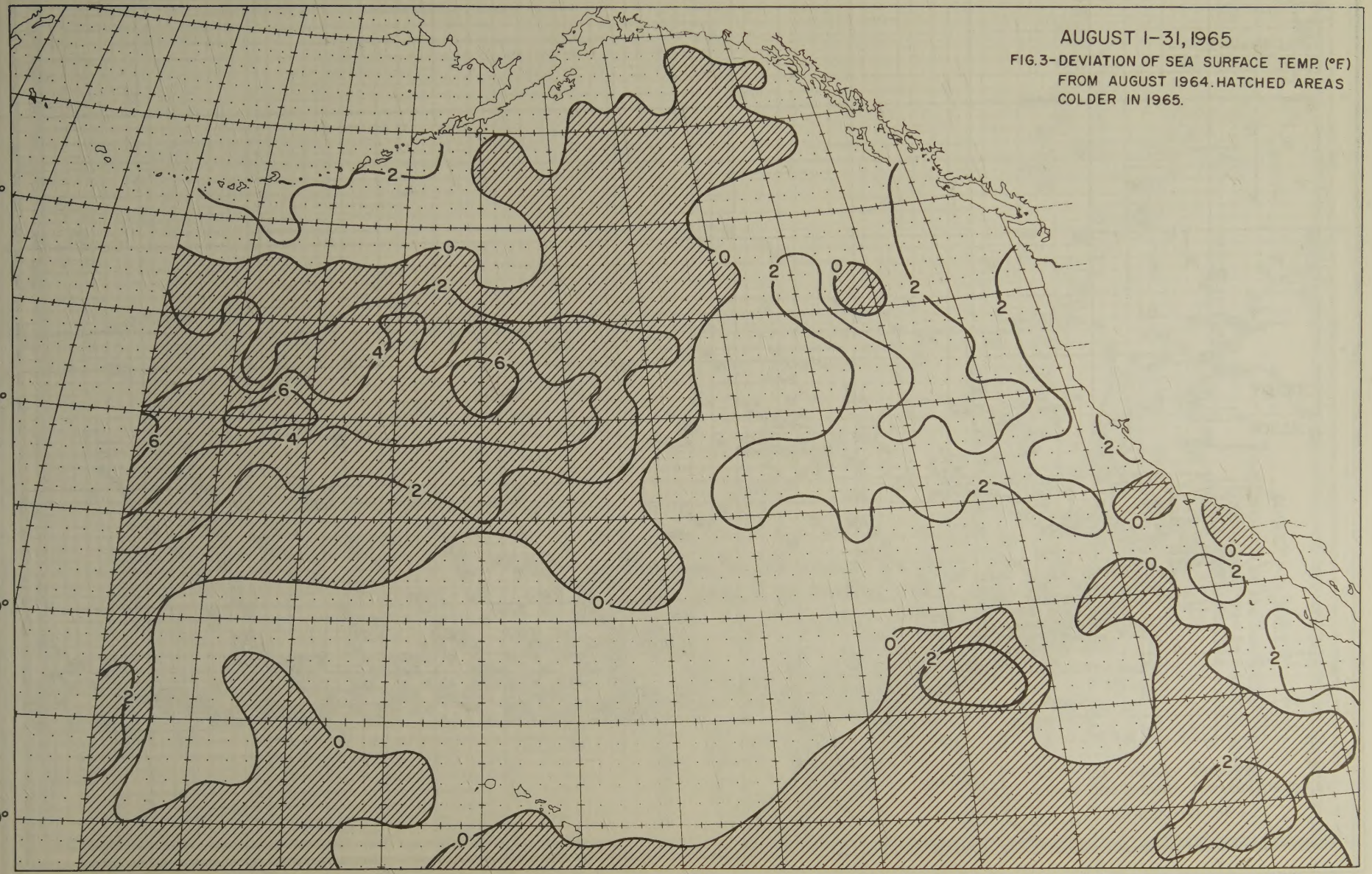
Figure 5.--Deviation of sea surface temperatures (°F) August 1965-August 1964 by 1-degree squares. Shaded areas are colder than 1964.

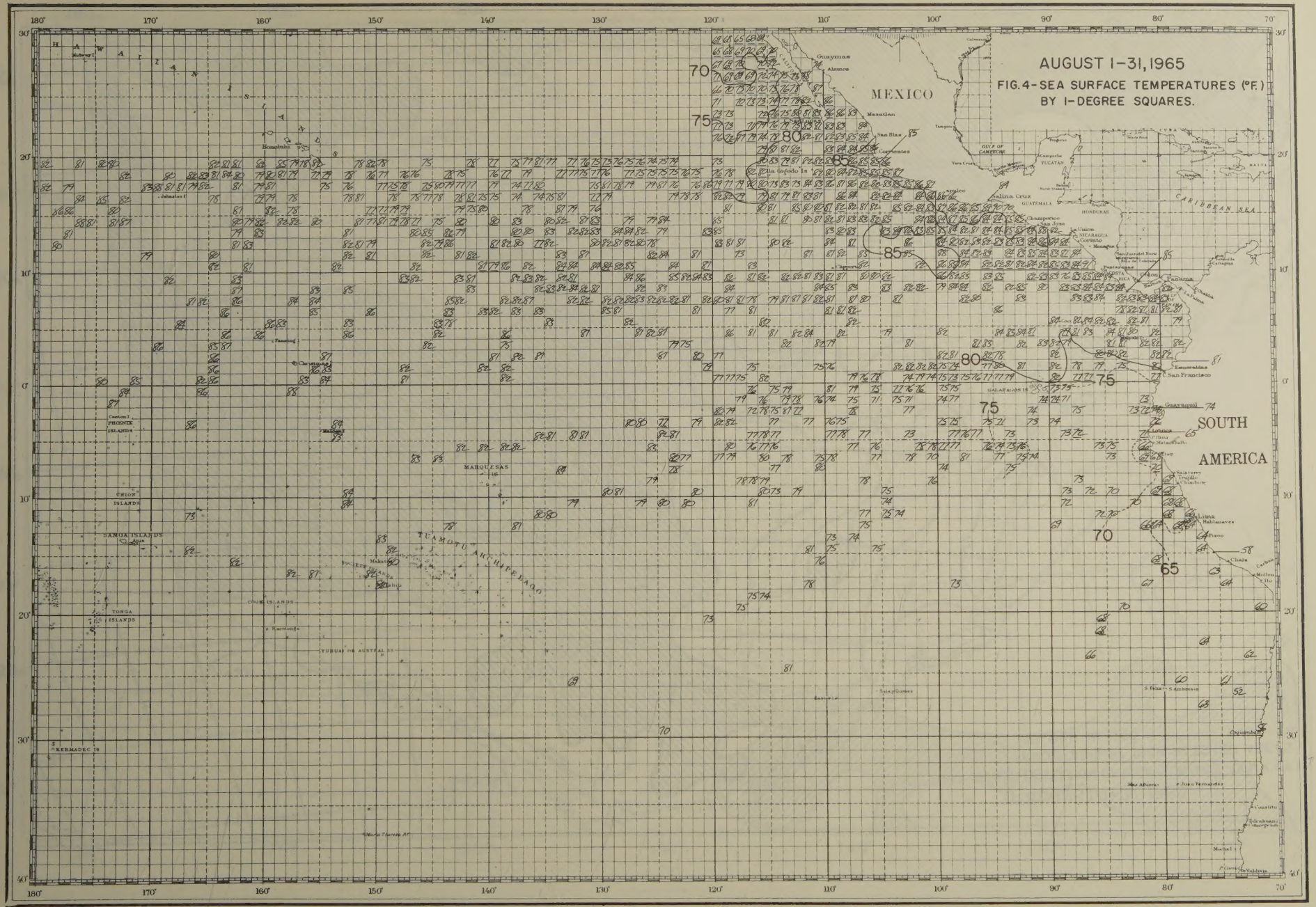
Figure 6.--Deviation of sea surface temperatures (°F) from 12-year mean (1947-1958) by 2-degree squares. Shaded areas are colder in 1965.

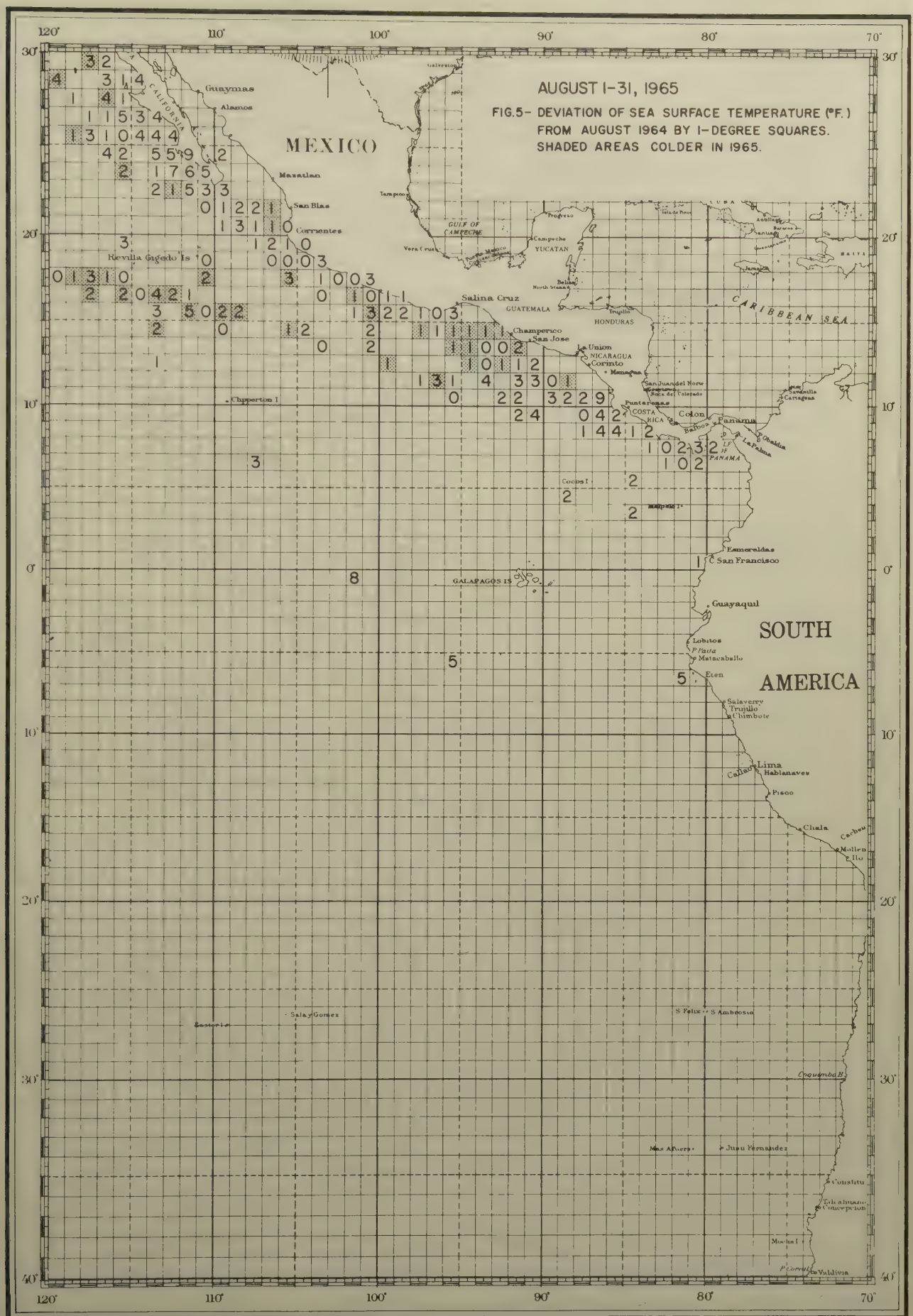
James A. Renner
Fishery Biologist (General)

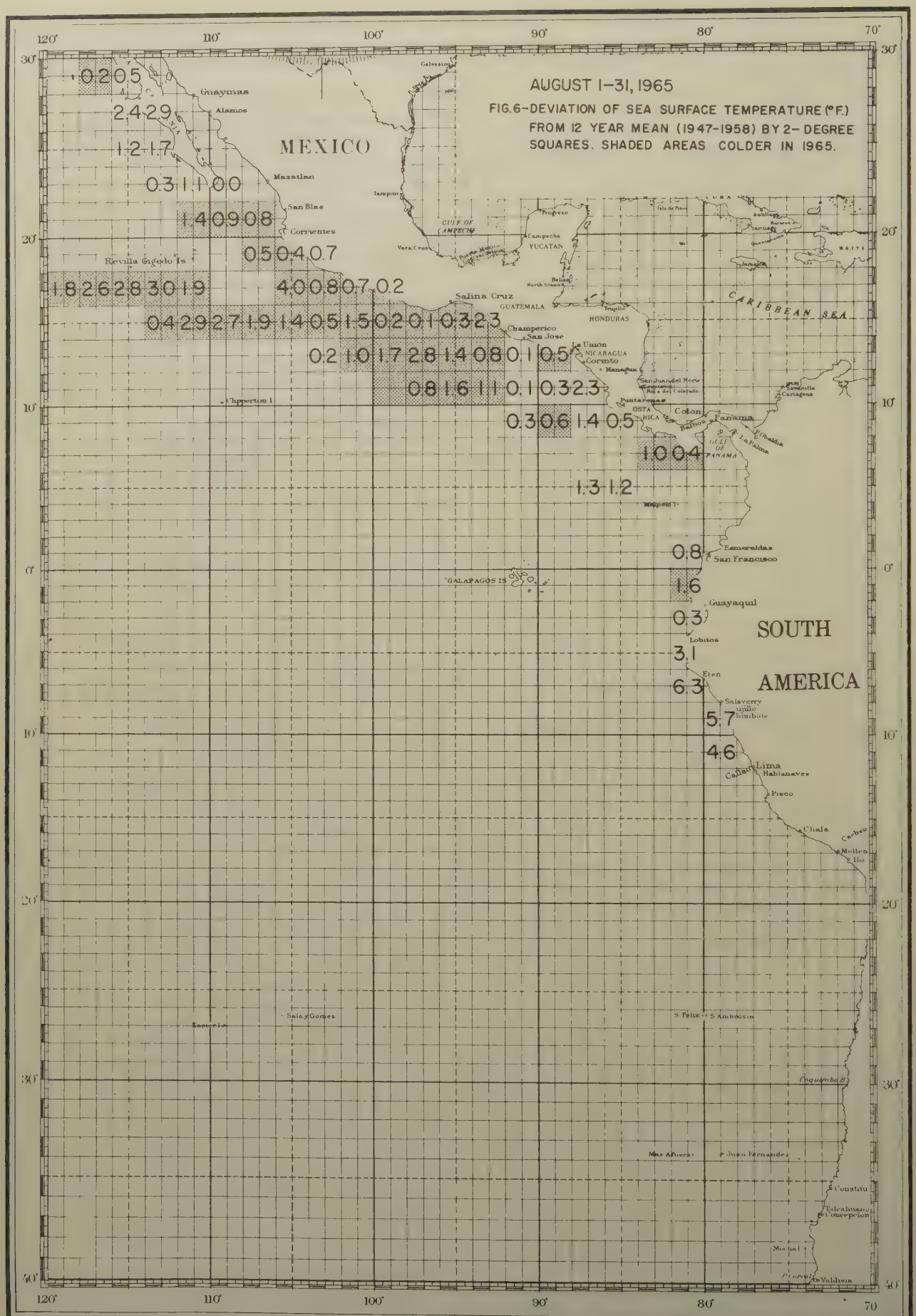

AUGUST 1-31, 1965
FIG. 1- MEAN SEA SURFACE TEMPERATURE (°F.)
50°
40°
30°
20°
180°
170°
160°
150°
140°
130°
120°

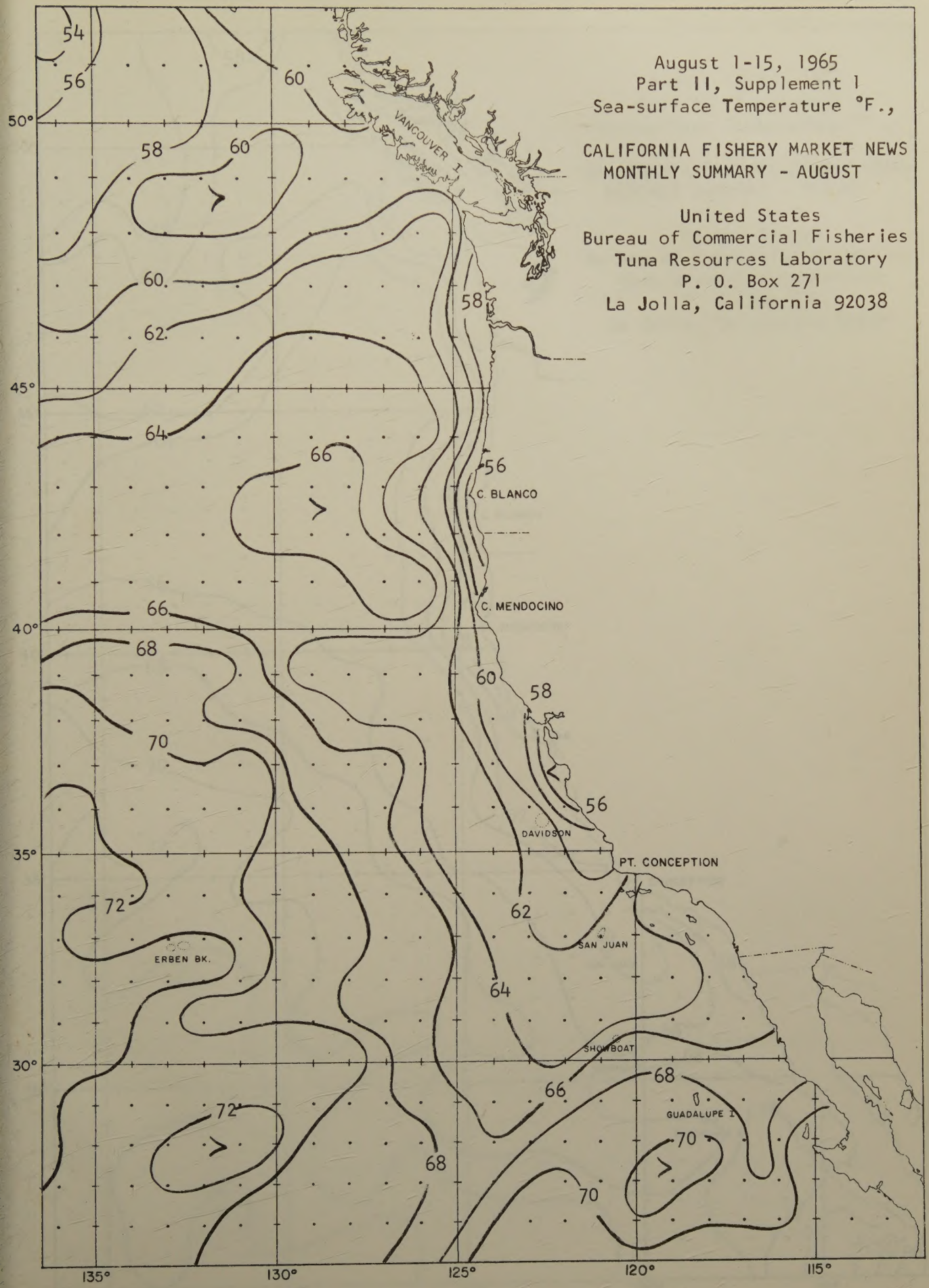

AUGUST 1-31, 1965
FIG. 2- DEVIATION OF SEA SURFACE TEMP. (°F.) FROM LONG TERM MEAN. HATCHED AREAS COLDER IN 1965.
50°
40°
30°
20°
180°
170°
160°
150°
140°
130°
120°
0
2
4

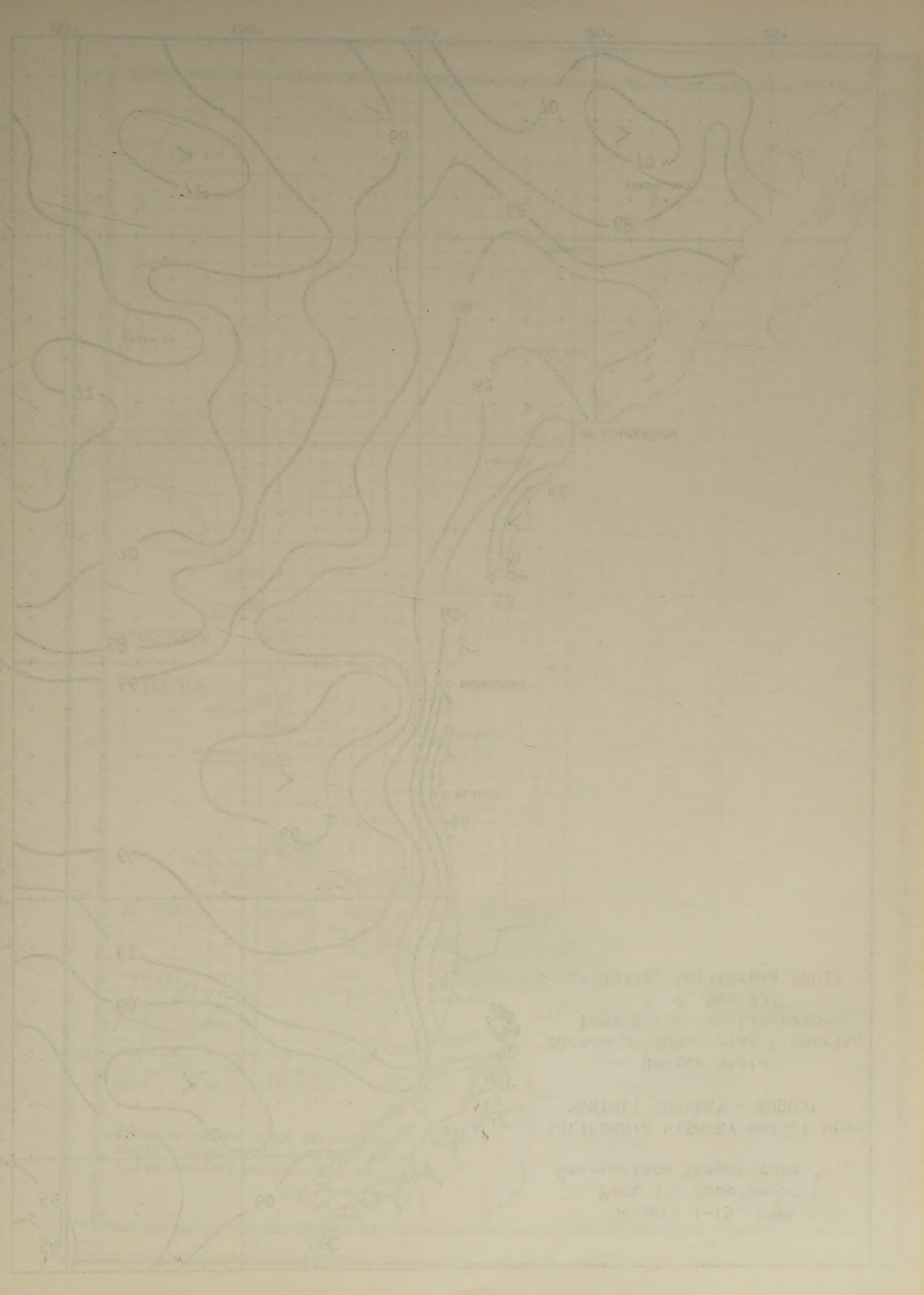

AUGUST 1-31, 1965
FIG. 3-DEVIATION OF SEA SURFACE TEMP. (°F) FROM AUGUST 1964. HATCHED AREAS COLDER IN 1965.
50°
40°
30°
20°
180°
170°
160°
150°
140°
130°
120°

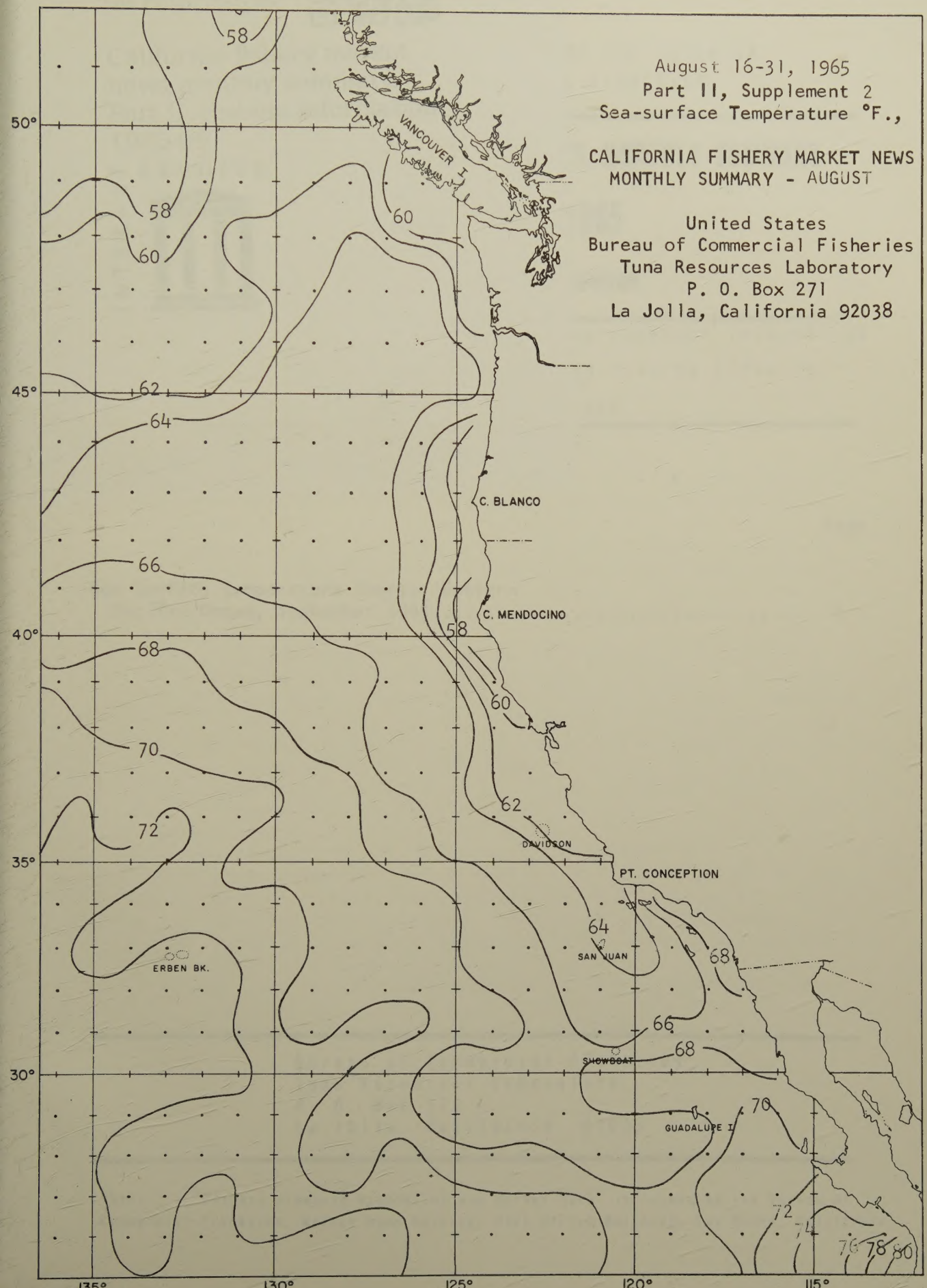

AUGUST 1-31, 1965
FIG. 4 - SEA SURFACE TEMPERATURES (°F.)
BY 1-DEGREE SQUARES.
MEXICO
SOUTH
AMERICA
CARIBBEAN SEA
GULF OF CAMPECHE
GUATEMALA
HONDURAS
NICARAGUA
COSTA RICA
PANAMA
CUBA
YUCATAN
GALAPAGOS IS
MARQUESAS IS
UNION ISLANDS
SAMOA ISLANDS
TONGA ISLANDS
COOK ISLANDS
TUAMOTU ARCHIPELAGO
TUBUAI OR AUSTRAL IS
KERMADEC IS
Guaymas
Mazatlan
San Blas
Salina Cruz
Champerico
Corinto
Panama
Esmeraldas
San Francisco
Guayaquil
Lobitos
Salaverry
Trujillo
Chimbote
Lima
Callao
Pisco
Chala
Arica
Iquique
Antofagasta
Valparaiso
Juan Fernandez
Easter I
Pitcairn I
Honolulu
Johnston I
Palmyra
Fanning
Christmas
Canton I
PHOENIX ISLANDS
Malden I
Makatea
Papeete
Rarotonga
Apia
Nuku Hiva
Hiva Oa
Tahuata
Fatu Hiva
Bombuki
Nukuoro
Ocean I
Nauru
Tarawa
Makin
Galveston
Tampico
Progreso
Belize
Roatan
Swan I
Cayman Is
Jamaica
Haiti
Puerto Rico
Virgin Is
Barbados
Trinidad
Curacao
Aruba
Margarita
Maracaibo
Barranquilla
Cartagena
Colon
Puerto Limon
Puntarenas
Corinto
Acapulco
Manzanillo
Mazatlan
Guaymas
Salina Cruz
Tehuantepec
Progreso
Veracruz
Tampico
Galveston
Key West
Nassau
Bermuda
Azores
Canary Is
Cape Verde Is
Ascension I
St Helena
Tristan da Cunha
Gough I
Falkland Is
Rio de Janeiro
Santos
Montevideo
Buenos Aires
Mar del Plata
Bahia Blanca
Comodoro Rivadavia
Puerto Deseado
Puerto Santa Cruz
Rio Gallegos
Cape Horn
Punta Arenas
Puerto Montt
Valdivia
Concepcion
Talcahuano
Coquimbo
Antofagasta
Iquique
Arica
Mollendo
Ilo
Matarani
Callao
Lima
Chimbote
Salaverry
Trujillo
Guayaquil
Esmeraldas
Panama
Col


AUGUST 1-31, 1965
FIG.5- DEVIATION OF SEA SURFACE TEMPERATURE (°F.) FROM AUGUST 1964 BY 1-DEGREE SQUARES. SHADED AREAS COLDER IN 1965.
MEXICO
SOUTH AMERICA
CARIBBEAN SEA
GULF OF CALIFORNIA
GULF OF CAMPECHE
YUCATAN
GUATEMALA
HONDURAS
NICARAGUA
COSTA RICA
PANAMA
CUBA
HAITI
JAMAICA
GALAPAGOS IS
Guaymas
Alamos
Masatlan
San Blas
Corrientes
Revilla Gigedo Is
Salina Cruz
Champerico
San Jose
La Union
Corinto
Managua
Chippertim I
Cocos I
Esmeraldas
San Francisco
Guayaquil
Lobitos
P Pariña
Matacaballo
Eten
Salaverry
Trujillo
Chimbote
Lima
Callao
Hablanaves
Pisco
Chala
Cachas
Mollen
Ilo
Sala y Gomez
Easter I
S Felix
S Ambrosio
Coquimbo
Mas Afuera
J Juan Fernandez
Constitu
Concepcion
Valdivia
Progreso
Campeche
Belize
Trujillo
Bocas del Toro
Puntarenas
Balboa
Panama
Cristobal
La Palma
Sardalla
Cartagena
Tampico
Vera Cruz
Galveston


AUGUST 1–31, 1965
FIG.6–DEVIATION OF SEA SURFACE TEMPERATURE (°F.) FROM 12 YEAR MEAN (1947–1958) BY 2–DEGREE SQUARES. SHADED AREAS COLDER IN 1965.
MEXICO
SOUTH AMERICA
CARIBBEAN SEA
GULF OF CAMPECHE
GULF OF PANAMA
GALAPAGOS IS
Guaymas
Alamos
Mazatlan
San Blas
Corrientes
Revilla Gigedo Is
Salina Cruz
Champerico
San Jose
Corinto
Managua
Punta Arenas
Colon
Panama
Esmeraldas
San Francisco
Guayaquil
Lobitos
Eten
Salaverry
Trujillo
Chimbote
Lima
Callao
Hablanaves
Pisco
Chala
Cerbeu
Mollendo
Ilo
Sala y Gomez
S. Felix
S. Ambosio
Juan Fernandez
Valdivia
Concepcion
Talcahuano
Constitu
Progreso
Campeche
YUCATAN
Belize
Tampico
Vera Cruz
Galveston
Trujillo
HONDURAS
GUATEMALA
Puerto Limon
Jamaica
Cuba
Haiti
Aruba
Curacao
Barranquilla
Cartagena
Chipperton I
Malpelo I
Mas Afuera
Mocha I
120°
110°
100°
90°
80°
70°
30°
20°
10°
0°
40°


August 1-15, 1965
Part II, Supplement 1
Sea-surface Temperature °F.,
CALIFORNIA FISHERY MARKET NEWS
MONTHLY SUMMARY - AUGUST
United States
Bureau of Commercial Fisheries
Tuna Resources Laboratory
P. O. Box 271
La Jolla, California 92038
VANCOUVER I.
C. BLANCO
C. MENDOCINO
DAVIDSON
PT. CONCEPTION
SAN JUAN
SHOWBOAT
GUADALUPE I
ERBEN BK.
50°
45°
40°
35°
30°
135°
130°
125°
120°
115°
54
56
60
58
60
60
62
64
66
56
66
68
70
60
58
56
72
62
64
72
68
66
68
70
70




August 16-31, 1965
Part II, Supplement 2
Sea-surface Temperature °F.,
CALIFORNIA FISHERY MARKET NEWS
MONTHLY SUMMARY - AUGUST
United States
Bureau of Commercial Fisheries
Tuna Resources Laboratory
P. O. Box 271
La Jolla, California 92038
VANCOUVER I.
C. BLANCO
C. MENDOCINO
DAVIDSON
PT. CONCEPTION
SAN JUAN
ERBEN BK.
SNOWBOAT
GUADALUPE I.
58
60
62
64
66
68
70
72
74
76
78
80
50°
45°
40°
35°
30°
135°
130°
125°
120°
115°